IN THE CLAIMS:

Please amend the claims as indicated below:

1. (Original) A method of transmitting a plurality of sub-streams in a multi-stream digital audio broadcasting system, said method comprising the steps of:

allocating a unique frequency partition to each of said sub-streams for a plurality of consecutive time slots;

allocating a unique time slot to each of said plurality of sub-streams; and

transmitting said sub-streams to a receiver.

2. (Original) The method of claim 1, wherein said sub-streams include at least two core streams and at least two enhancement streams.

3. (Original) The method of claim 2, wherein said core sub-streams have a maximum separation in the time domain.

4. (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams have a maximum separation in the frequency domain.

5. (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is a hybrid IBOC (In-Band-On-Channel) system and said core sub-streams are transmitted in the frequency domain in the innermost side bands.

6. (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and each of said core sub-streams has a maximum separation from one of said enhancement sub-streams in the frequency domain and a maximum separation from the other enhancement sub-stream in the time domain.

7. (Currently Amended) The method of claim 2, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams are separated by a data stream.

8. (Original) The method of claim 1, wherein no two sub-streams associated with the same audio segment are transmitted in the same time slot.

9. (Original) The method of claim 1, wherein a unique time slot is allocated to each of said sub-streams by introducing a delay between each of said sub-streams.

10. (Original) A transmitter in a multi-stream digital audio broadcasting system, comprising:

a modulator for allocating a unique frequency partition to each of two or more sub-streams for a plurality of consecutive time slots;

a delay circuit for allocating a unique time slot to each of said two or more sub-streams; and

a transmitter for transmitting said two or more sub-streams to a receiver.

11. (Original) The transmitter of claim 10, wherein said two or more sub-streams include at least two core streams and at least two enhancement streams.

12. (Original) The transmitter of claim 11, wherein said core sub-streams have a maximum separation in the time domain.

13. (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said modulator provides a maximum separation of said core sub-streams in the frequency domain.

14. (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is a hybrid IBOC (In-Band-On-Channel) system and said modulator allocates said core sub-streams in the frequency domain to the innermost side bands.

15. (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and each of said core sub-streams has a maximum separation from one of said enhancement sub-streams in the frequency domain and a maximum separation from the other enhancement sub-stream in the time domain.

16. (Currently Amended) The transmitter of claim 11, wherein said multi-stream digital audio broadcasting system is an all-digital IBOC (In-Band-On-Channel) system and said core sub-streams are separated by a data stream.

17. (Original) The transmitter of claim 10, wherein no two sub-streams associated with the same audio segment are transmitted in the same time slot.

18. (Original) The transmitter of claim 10, wherein a unique time slot is allocated to each of said two or more sub-streams by introducing a delay between each of said two or more sub-streams.